



Vortex Flow Monitor Eggs DELTA II

Presenting the all-new Eggs!

The Eggs DELTA, well-received in monitoring cleaning process, coolant process, and factory air usage, has evolved.



- Easy-to-view display with orange background.
- Intuitive instantaneous flow indication with an analog display.
- Large unit display.
- Compact design with reduced height.
- Capable of fixed conversion to Normal/Standard conditions by setting temperature and pressure.

■ GENERAL SPECIFICATIONS

Item		Description			
Nominal Diameter		4mm	8mm	15mm	25mm
Flow Range (L/min)	Water	0.4 to 4	1.1 to 15	2.8 to 45	8.3 to 133
	Air	7.2 to 17	18 to 90	55 to 283	167 to 850
Connection		R male (resin), NPT male (resin), Rc female (metal)			
Construction		Indoor (non-explosionproof)			
Accuracy		Liquid: ±2% of full scale Gas: ±3% of full scale			
Max. Operating Pressure		0.98MPa			
Fluid Temperature		-10 to +80°C			
Ambient Temperature		-10 to +60°C			
Major Parts Material		Body, sensor: PPS resin (polyphenylene sulfide) Converter case: Polycarbonate			
LCD Display		• Flow rate: 7-segment, 8 digits • Unit: 16-segment, 3 digits • Battery indicator • Flow indicator (10-segment) • Information indicator • Background color: Orange ① Accumulated total flow: 8 digits ② Hourly instantaneous flowrate [b1]: 5 digits ③ Per-minute instantaneous flowrate [b2]: 5 digits ④ Resettable total flow [C]: 7 digits ⑤ Measured fluid pressure setting ⑥ Measured fluid temperature setting • Every time MODE button is pressed, the LCD displays items ① to ④ in order. • For [Temperature/Pressure compensation] model, items ⑤ and ⑥ will be displayed in addition to ① to ④.			
Power Source	Battery Powered	Battery unit (dedicated lithium battery) Battery life: 6 years approx.			
	Externally Powered	Power source: 12 to 45VDC			
External Output	Battery Powered	Local display only	No output		
	Externally Powered (※1)	Analog output	4-20mA at 0-F.S. (Analog adjustment available using front buttons)		
		Alarm output	Open drain output (open collector equivalent) Allowable current: 20mA, Max. applied voltage: 30V • Alarm output status is displayed on LCD. • Status (switching ON/OFF) and set values of High/low alarm output are configurable using front buttons.		
		Pulse output	Open drain output (open collector equivalent) Allowable current: 20mA, Max. applied voltage: 30V Pulse width (Factored pulse): 30ms		
Installation location		① Free from rain and water ② Minimal temperature variation ③ No exposure to direct sunlight (equivalent to IP53)			

※1: Simultaneous output of analog and another (alarm or pulse) output is available.

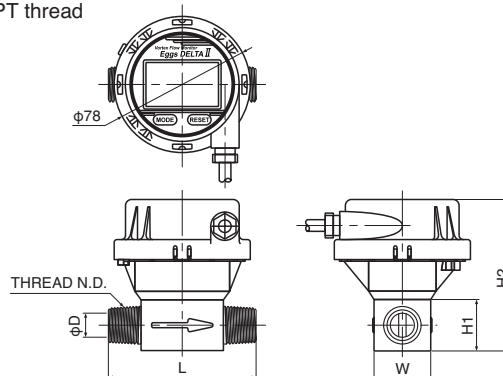
■ PRODUCT CODE EXPLANATION

ITEM	PRODUCT CODE										DESCRIPTION
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	
Model	F	L	M								Eggs DELTA II
Fluid Category				2							Liquid
				3							Gas
Nominal Diameter (N.D.)					S						4mm
					0						8mm
					1						15mm
					2						25mm
Display					-						
					1						LCD display provided
					0						No output (battery-powered)
					1						Factored pulse output
					2						Analog output
Output					4						High/low alarm output
					5						Factored pulse output + high/low alarm output
					7						Analog output + Factored pulse output + high/low alarm output
Process Connection					P						R male thread Material: PPS
					N						NPT male thread Material: PPS
					S						Rc female thread Material: SCS14A
Version					D						Always "D"
Characteristic Code					0						None
					N						Normal conversion
					S						Standard conversion
					Z						Other temperature/pressure compensation

■ OUTSIDE DIMENSIONS

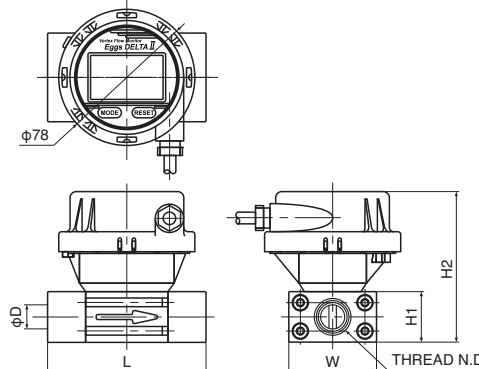
● R/NPT thread

Unit: mm



N.D. (mm)	φD	Tread N.D.	L	W	H1	H2
4	8.5	R3/8	80	32	29	86.2
8	13	R1/2	80	32	29	86.2
15	14	R3/4	85	32	29	86.2
25	24.5	R1-1/4	120	46	46	103.2
4	8.5	NPT3/8	80	32	29	86.2
8	13	NPT1/2	80	32	29	86.2
15	14	NPT3/4	85	32	29	86.2
25	24.5	NPT1-1/4	120	46	46	103.2

● Metal connection



N.D. (mm)	φD	Tread N.D.	L	W	H1	H2
4	8.5	Rc1/4	92	50	29	86.2
8	10.7	Rc1/4	92	50	29	86.2
15	14	Rc1/2	92	50	29	86.2
25	24.5	Rc1	127	46	46	103.2

The specification as of February, 2019 is stated in this catalog. Specifications and design are subject to change without notice.



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